



PATIENT PRESENTING CLINICAL SIGNS

Angel Gardiner
 History: recurrent hematuria. Not on any meds.
 Abnormal PE/Chem/CBC/UA Results: UA: pH 8.0, protein 2+, ma 9.9, UPC wnl 0.4, USPG 1.028

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Mix

The **urinary bladder** revealed apical ventral wall thickening with polypoid changes and areas of mineralization. This is most consistent with polypoid cystitis. This appears resectable. Early carcinoma cannot be completely ruled out. A slight amount of embedded sand was noted in the apex of the bladder. Underlying urachal remnant may be present underneath the apical polypoid changes.

SEX

Spayed Female

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 5.08 cm. The right kidney measured 5.02 cm.

AGE

4 ½ years

WEIGHT

46 lbs

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The right adrenal gland measured 2.32 x 2.1 cm at the cranial pole and 0.85 cm at the caudal pole. The left adrenal gland measured 1.82 x 0.35 cm at the caudal pole and 0.39 cm at the cranial pole.

INTERPRETED BY

Eric Lindquist, DMV
 DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Diane McFadden, RVT

HOSPITAL NAME

Newton VH

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

INVOICE

96790

Liver

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

DATE

3/11/22



PATIENT

Gastrointestinal

Angel Gardiner

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Retention of ingesta was noted in the stomach. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

SPECIES

Canine

BREED

Mix

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

SEX

Spayed Female

Free Abdomen

AGE

4 ½ years

A large amount of abdominal fat was noted in this patient.

WEIGHT

46 lbs

ULTRASONOGRAPHIC FINDINGS

Apical ventral bladder wall thickening with embedded mineralization.

Polypoid cystitis is likely with the possibility of transitional cell carcinoma, appears resectable.

INTERPRETED BY

Eric Lindquist, DMV
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Partial apical cystectomy is recommended in this patient.

IMAGING PERFORMED BY

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HOSPITAL NAME

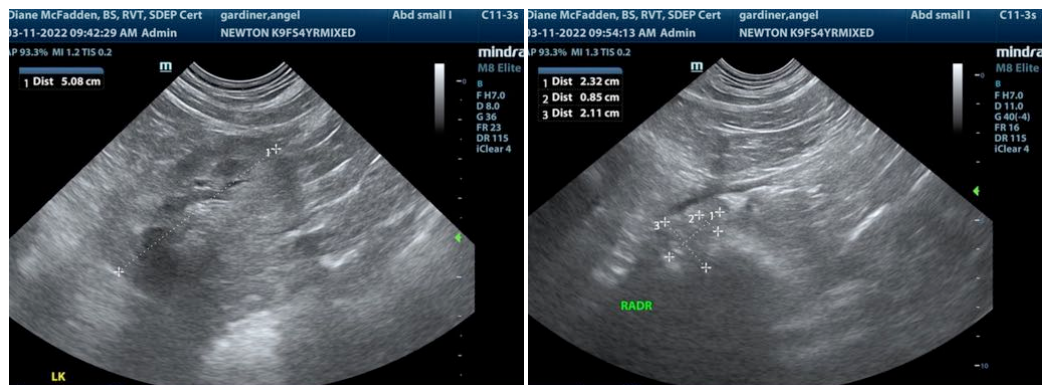
Newton VH

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PATIENT

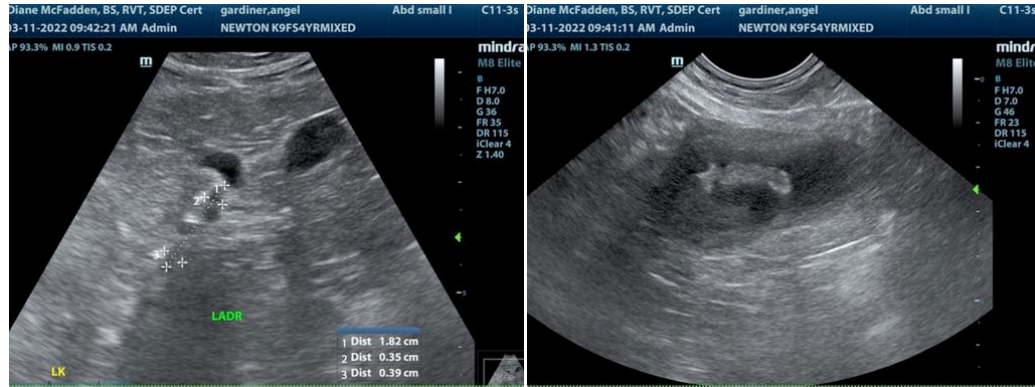
Angel Gardiner

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Mix



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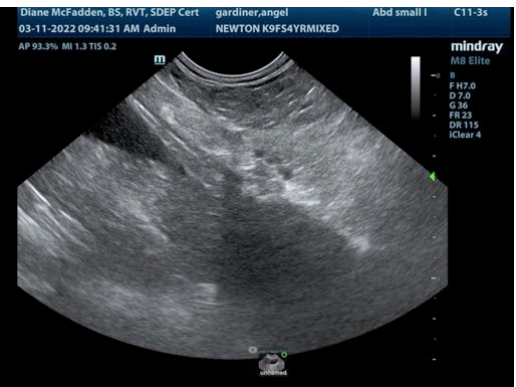
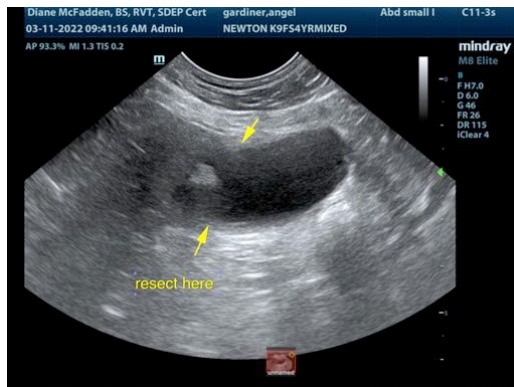
Spayed Female

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WEIGHT

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INTERPRETED BY

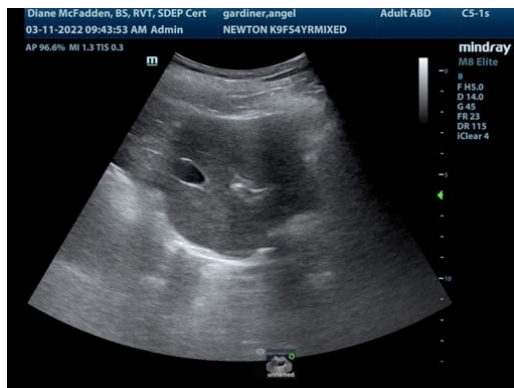
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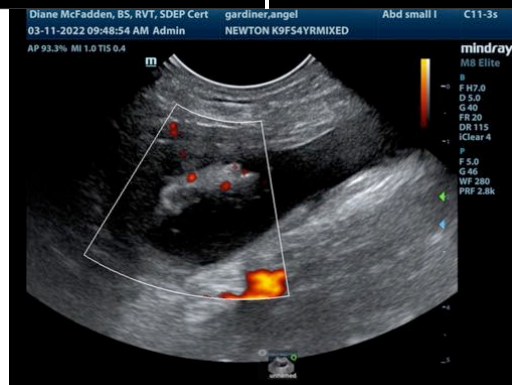


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PATIENT

Angel Gardiner

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

Canine

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

BREED

Mix

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
Info@SonoPath.com

SEX

Spayed Female

AGE

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WEIGHT

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